

WEST Search History

171

DATE: Tuesday, April 19, 2005

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L16	MCP-1RA	42
<input type="checkbox"/>	L15	L14 AND MCP-1RA	7
<input type="checkbox"/>	L14	530/387.1,387.3,388.1,388.15.CCLS.	4940
<input type="checkbox"/>	L13	L12 AND MCP-1RA	1
<input type="checkbox"/>	L12	435/70.1,70.2,70.21.CCLS.	2645
<input type="checkbox"/>	L11	Coughlin.IN.	783
<input type="checkbox"/>	L10	Coughlin-S-R.IN.	11
<input type="checkbox"/>	L9	Coughlin-Shaun-R.IN.	26
<input type="checkbox"/>	L8	Charo-I-R.IN.	1
<input type="checkbox"/>	L7	Charo-Israel-R.IN.	3
<input type="checkbox"/>	L6	Coughlin.IN.	783
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<input type="checkbox"/>	L4	Coughlin-Shaun.IN.	1
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<input type="checkbox"/>	L1	(Charo-Israel.IN.)	1

END OF SEARCH HISTORY

Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040219644 A1

Using default format because multiple data bases are involved.

L13: Entry 1 of 1

File: PGPB

Nov 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040219644

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040219644 A1

TITLE: MCP-1 receptor antibodies

PUBLICATION-DATE: November 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Charo, Israel R.	San Francisco	CA	US	
Coughlin, Shaun R.	Tiburon	CA	US	

US-CL-CURRENT: [435/70.21](#); [424/143.1](#), [435/320.1](#), [435/334](#), [530/388.22](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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Terms	Documents
L12 AND MCP-1RA	1

Display Format: [Change Format](#)

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20040151721 A1

Using default format because multiple data bases are involved.

L15: Entry 1 of 7

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040151721

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040151721 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
O'Keefe, Theresa	Waltham	MA	US	
Ponath, Paul	San Francisco	CA	US	

US-CL-CURRENT: [424/141.1](#); [530/388.15](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20040132980 A1

L15: Entry 2 of 7

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132980

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132980 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Horvath, Christopher	Taunton	MA	US	
Newman, Walter	Boston	MA	US	
Jones, S. Tarran	Radlett	MA	GB	
O'Brien, Siobhan H.	London		GB	
O'Keefe, Theresa	Waltham		US	

US-CL-CURRENT: [530/388.15](#); [435/320.1](#), [435/328](#), [435/69.1](#), [536/23.53](#)

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20040126851 A1

L15: Entry 3 of 7

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126851

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040126851 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Horvath, Christopher	Taunton	MA	US	
Newman, Walter	Boston	MA	US	
Jones, S. Tarran	Hertfordshire	MA	GB	
O'Brien, Siobhan H.	London		GB	
O'Keefe, Theresa	Waltham		US	

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/328](#), [530/388.15](#), [536/23.53](#)

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20020150576 A1

L15: Entry 4 of 7

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150576
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150576 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Horvath, Christopher	Taunton	MA	US	
Newman, Walter	Boston	MA	US	
Jones, S. Tarran	Radlett	MA	GB	
O'Brien, Siobhan H.	London		GB	
O'Keefe, Theresa	Waltham		US	

US-CL-CURRENT: 424/142.1; 530/388.15

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20020037285 A1

L15: Entry 5 of 7

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037285
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020037285 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: 424/130.1; 424/135.1, 424/143.1, 424/144.1, 530/388.1

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 6727349 B1

L15: Entry 6 of 7

File: USPT

Apr 27, 2004

US-PAT-NO: 6727349

DOCUMENT-IDENTIFIER: US 6727349 B1

TITLE: Recombinant anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: April 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	Newton	MA		
Horvath; Christopher	Taunton	MA		
Newman; Walter	Boston	MA		
Jones; S. Tarran	Radlett			GB
O'Brien; Siobhan H.	Finchley			GB
O'Keefe; Theresa	Waltham	MA		

US-CL-CURRENT: 530/387.3; 424/130.1, 424/156.1, 530/387.1, 530/388.23

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

62 Claims, 64 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 39

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 7. Document ID: US 6696550 B2

L15: Entry 7 of 7

File: USPT

Feb 24, 2004

US-PAT-NO: 6696550

DOCUMENT-IDENTIFIER: US 6696550 B2

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	Newton	MA		
Horvath; Christopher	Taunton	MA		
Newman; Walter	Boston	MA		
Jones; S. Tarran	Radlett			GB
O'Brien; Siobhan H.	London			GB
O'Keefe; Theresa	Waltham	MA		

US-CL-CURRENT: 530/388.23; 424/130.1, 424/133.1, 424/156.1, 530/387.1, 530/387.3

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

74 Claims, 64 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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Terms	Documents
L14 AND MCP-1RA	7

Display Format: Change Format[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

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Search Results - Record(s) 1 through 42 of 42 returned.

☐ 1. Document ID: US 20050048052 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 42

File: PGPB

Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050048052

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050048052 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	

US-CL-CURRENT: 424/144.1; 435/7.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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☐ 2. Document ID: US 20040265303 A1

L16: Entry 2 of 42

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040265303

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040265303 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Newman, Walter	Boston	MA	US	

US-CL-CURRENT: 424/143.1; 530/388.22

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20040223968 A1

L16: Entry 3 of 42

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040223968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040223968 A1

TITLE: Mammalian monocyte Chemoattractant protein receptors

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Charo, Israel R.	San Francisco	CA	US	
Coughlin, Shaun R.	Tiburon	CA	US	

US-CL-CURRENT: 424/145.1; 530/350

ABSTRACT:

Novel human chemokine receptors, MCP-1RA and MCP-1RB, and processes for producing them are disclosed. The receptors, which are alternately spliced versions of MCP-1 receptor protein may be used in an assay to identify antagonists of MCP-1 which are therapeutically useful in the treatment of atherosclerosis and other diseases characterized by monocytic infiltrates.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040219644 A1

L16: Entry 4 of 42

File: PGPB

Nov 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040219644

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040219644 A1

TITLE: MCP-1 receptor antibodies

PUBLICATION-DATE: November 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Charo, Israel R.	San Francisco	CA	US	
Coughlin, Shaun R.	Tiburon	CA	US	

US-CL-CURRENT: 435/70.21; 424/143.1, 435/320.1, 435/334, 530/388.22

ABSTRACT:

Novel human chemokine receptors, MCP-1RA and MCP-1RB, and processes for producing them are disclosed. The receptors, which are alternately spliced versions of MCP-1 receptor protein may be used in an assay to identify antagonists of MCP-1 which are therapeutically useful in the treatment of atherosclerosis and other diseases characterized by monocytic infiltrates.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. De
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☐ 5. Document ID: US 20040151721 A1

L16: Entry 5 of 42

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040151721

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040151721 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
O'Keefe, Theresa	Waltham	MA	US	
Ponath, Paul	San Francisco	CA	US	

US-CL-CURRENT: 424/141.1; 530/388.15

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. De
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☐ 6. Document ID: US 20040132980 A1

L16: Entry 6 of 42

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132980
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040132980 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Horvath, Christopher	Taunton	MA	US	
Newman, Walter	Boston	MA	US	
Jones, S. Tarran	Radlett	MA	GB	
O'Brien, Siobhan H.	London		GB	
O'Keefe, Theresa	Waltham		US	

US-CL-CURRENT: 530/388.15; 435/320.1, 435/328, 435/69.1, 536/23.53

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Data
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☐ 7. Document ID: US 20040126851 A1

L16: Entry 7 of 42

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126851
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040126851 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Horvath, Christopher	Taunton	MA	US	
Newman, Walter	Boston	MA	US	
Jones, S. Tarran	Hertfordshire	MA	GB	
O'Brien, Siobhan H.	London		GB	

O'Keefe, Theresa

Waltham

US

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/328](#), [530/388.15](#), [536/23.53](#)

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 20030229911 A1

L16: Entry 8 of 42

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030229911

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030229911 A1

TITLE: Compositions and methods for wound healing

PUBLICATION-DATE: December 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heber-Katz, Ellen	Philadelphia	PA	US	

US-CL-CURRENT: [800/18](#); [800/9](#)

ABSTRACT:

Mice in which enhance wound healing occurs can be used to identify genes and gene products which are involved in enhanced wound healing in mammals, including humans. Methods and compositions for treating wounds, including central and peripheral nerve wounds, are also provided.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 20030166024 A1

L16: Entry 9 of 42

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166024

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166024 A1

TITLE: Human G-protein chemokine receptor (CCR5) HDGNR10

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Roschke, Viktor	Rockville	MD	US	
Li, Yi	Sunnyvale	CA	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 435/7.23; 435/320.1, 435/334, 435/69.1, 530/388.22, 536/23.53

ABSTRACT:

The present invention relates to a novel human protein called Human G-protein Chemokine Receptor (CCR5) HDGNR10, and isolated polynucleotides encoding this protein. The invention is also directed to human antibodies that bind Human G-protein Chemokine Receptor (CCR5) HDGNR10 and to polynucleotides encoding those antibodies. Also provided are vectors, host cells, antibodies, and recombinant methods for producing Human G-protein Chemokine Receptor (CCR5) HDGNR10 and human anti-Human G-protein Chemokine Receptor (CCR5) HDGNR10 antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to this novel human protein and these novel human antibodies.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Drawings
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☐ 10. Document ID: US 20030165494 A1

L16: Entry 10 of 42

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030165494

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030165494 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Newman, Walter	Boston	MA	US	

US-CL-CURRENT: 424/130.1; 424/141.1, 424/143.1, 424/159.1, 530/388.22, 530/388.23, 530/389.2

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which

binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 11. Document ID: US 20030148294 A1

L16: Entry 11 of 42

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148294

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148294 A1

TITLE: DNA encoding novel chemokine receptors

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Au-Young, Janice	Berkeley	CA	US	
Bandman, Olga	Mountain View	CA	US	
Coleman, Roger	Mountain View	CA	US	
Wilde, Craig G.	Sunnyvale	CA	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 435/69.5, 530/350, 536/23.5

ABSTRACT:

The present invention provides polynucleotides (mmlr-ccr or mphg-ccr) which encode novel chemokine receptors (MMLR-CCR OR MPHG-CCR). The present invention provides for screening methods for the detection of molecules that modulate receptor activity. The present invention also provides for antisense molecules, diagnostic molecules, genetically engineered expression vectors and host cells for the production of purified MMLR-CCR or MPHG-CCR; antibodies, agonists, antagonists and inhibitors of MMLR-CCR or MPHG-CCR; and pharmaceutical compositions and methods of treatment based on the polypeptide, its antibodies, antagonists and inhibitors. The invention further provides diagnostic and therapeutic compositions for the detection and treatment of infection, inflammation, proliferative disease, solid tumors and cardiovascular disease.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 12. Document ID: US 20030100058 A1

L16: Entry 12 of 42

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100058

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030100058 A1

TITLE: Human G-protein Chemokine Receptor (CCR5) HDGNR10

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Roschke, Viktor	Rockville	MD	US	
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/326, 530/388.8, 536/23.53

ABSTRACT:

The present invention relates to a novel human protein called Human G-protein Chemokine Receptor (CCR5) HDGNR10, and isolated polynucleotides encoding this protein. The invention is also directed to human antibodies that bind Human G-protein Chemokine Receptor (CCR5) HDGNR10 and to polynucleotides encoding those antibodies. Also provided are vectors, host cells, antibodies, and recombinant methods for producing Human G-protein Chemokine Receptor (CCR5) HDGNR10 and human anti-Human G-protein Chemokine Receptor (CCR5) HDGNR10 antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to this novel human protein and these novel human antibodies.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 13. Document ID: US 20030037345 A1

L16: Entry 13 of 42

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030037345
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030037345 A1

TITLE: COMPOSITIONS AND METHODS FOR WOUND HEALING

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
HEBER-KATZ, ELLEN	PHILADELPHIA	PA	US	

US-CL-CURRENT: 800/3; 424/9.1, 435/4, 435/6

ABSTRACT:

Mice in which enhance wound healing occurs can be used to identify genes and gene products which are involved in enhanced wound healing in mammals, including humans.

Methods and compositions for treating wounds, including central and peripheral nerve wounds, are also provided.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 14. Document ID: US 20020156038 A1

L16: Entry 14 of 42

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156038

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020156038 A1

TITLE: Gene expression profiling of antidepressant action in the brain

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bonaventure, Pascal	San Diego	CA	US	
Quo, Hongqing	San Diego	CA	US	
Liu, Xuejun	San Diego	CA	US	
Kamme, Fredrik	San Diego	CA	US	
Meurers, Bernhard	La Jolla	CA	US	
Leysen, Josepha E.M.F.	Oud-Turnhout		BE	
Bakker, Margot H.M.	Breda		NL	

US-CL-CURRENT: 514/44; 435/287.2, 435/6

ABSTRACT:

Implementing gene expression to study drug action in the central nervous system is complicated by functional heterogeneity because of the existence of many different neuronal subtypes within the mammalian brain. The integration of laser capture microdissection (LCM) and RNA amplification with cDNA microarray technology allows for large-scale gene expression analysis at cellular level. Using this approach, we have generated gene expression profiles of imipramine, a reference antidepressant, and a new putative antidepressant, novelR1 in several laser-captured brain nuclei (locus coeruleus, dorsal raphe, hypothalamic paraventricular nucleus and hippocampus) of rats subjected to the chronic mild stress model (CMS) of depression.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 15. Document ID: US 20020150576 A1

L16: Entry 15 of 42

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150576

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020150576 A1

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	Newton	MA	US	
Horvath, Christopher	Taunton	MA	US	
Newman, Walter	Boston	MA	US	
Jones, S. Tarran	Radlett	MA	GB	
O'Brien, Siobhan H.	London		GB	
O'Keefe, Theresa	Waltham		US	

US-CL-CURRENT: 424/142.1; 530/388.15

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw. De
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☐ 16. Document ID: US 20020150570 A1

L16: Entry 16 of 42

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150570

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020150570 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: 424/130.1; 424/134.1, 424/141.1, 424/143.1, 424/85.1, 530/388.22, 530/388.23, 530/389.1

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of

the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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17. Document ID: US 20020061834 A1

L16: Entry 17 of 42

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020061834

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020061834 A1

TITLE: Human G-protein Chemokine receptor (CCR5) HDGNR10

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Roschke, Viktor	Rockville	MD	US	
Li, Yi	Sunnyvale	CA	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 514/1; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

ABSTRACT:

The present invention relates to a novel human protein called Human G-protein Chemokine Receptor (CCR5) HDGNR10, and isolated polynucleotides encoding this protein. The invention is also directed to human antibodies that bind Human G-protein Chemokine Receptor (CCR5) HDGNR10 and to polynucleotides encoding those antibodies. Also provided are vectors, host cells, antibodies, and recombinant methods for producing Human G-protein Chemokine Receptor (CCR5) HDGNR10 and human anti-Human G-protein Chemokine Receptor (CCR5) HDGNR10 antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to this novel human protein and these novel human antibodies.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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18. Document ID: US 20020051782 A1

L16: Entry 18 of 42

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020051782

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020051782 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory L.	West Roxbury	MA	US	

US-CL-CURRENT: 424/130.1; 424/145.1, 435/7.1, 536/23.5

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 19. Document ID: US 20020051781 A1

L16: Entry 19 of 42

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020051781

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020051781 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: 424/130.1; 435/335, 530/388.23

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 20. Document ID: US 20020048786 A1

L16: Entry 20 of 42

File: PGPB

Apr 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020048786
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020048786 A1

TITLE: Human G-protein Chemokine Receptor HDGNR10

PUBLICATION-DATE: April 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Roschke, Viktor	Rockville	MD	US	
Li, Yi	Sunnyvale	CA	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 435/69.1; 424/130.1, 435/325, 435/7.2, 514/12, 536/23.5

ABSTRACT:

The present invention relates to a novel human protein called Human G-protein Chemokine Receptor (CCR5) HDGNR10, and isolated polynucleotides encoding this protein. The invention is also directed to human antibodies that bind Human G-protein Chemokine Receptor (CCR5) HDGNR10 and to polynucleotides encoding those antibodies. Also provided are vectors, host cells, antibodies, and recombinant methods for producing Human G-protein Chemokine Receptor (CCR5) HDGNR10 and human anti-Human G-protein Chemokine Receptor (CCR5) HDGNR10 antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to this novel human protein and these novel human antibodies.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 21. Document ID: US 20020037285 A1

L16: Entry 21 of 42

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037285
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020037285 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: [424/130.1](#); [424/135.1](#), [424/143.1](#), [424/144.1](#), [530/388.1](#)

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 22. Document ID: US 20020028436 A1

L16: Entry 22 of 42

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028436

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028436 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: [435/5](#); [424/130.1](#), [424/143.1](#), [435/7.1](#)

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 23. Document ID: US 20020015700 A1

L16: Entry 23 of 42

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020015700

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020015700 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: February 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: 424/130.1; 424/142.1, 424/145.1, 530/388.2, 530/388.23, 530/388.7, 530/388.75, 530/389.6

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Drawings
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☐ 24. Document ID: US 20020012664 A1

L16: Entry 24 of 42

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012664

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020012664 A1

TITLE: Anti-CCR2 antibodies and methods of use therefor

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LaRosa, Gregory J.	West Roxbury	MA	US	

US-CL-CURRENT: 424/130.1; 435/5, 435/7.9

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Drawings
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☐ 25. Document ID: US 6730301 B1

L16: Entry 25 of 42

File: USPT

May 4, 2004

US-PAT-NO: 6730301

DOCUMENT-IDENTIFIER: US 6730301 B1

TITLE: MCP-1 receptor antibodies

DATE-ISSUED: May 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Charo; Israel R.	San Francisco	CA		
Coughlin; Shaun R.	Tiburon	CA		

US-CL-CURRENT: 424/139.1; 424/130.1, 435/326, 530/386, 530/387.9, 530/388.22,
530/389.1, 530/391.3

ABSTRACT:

Novel human chemokine receptors, MCP-1RA and MCP-1RB, and processes for producing them are disclosed. The receptors, which are alternately spliced versions of MCP-1 receptor protein may be used in an assay to identify antagonists of MCP-1 which are therapeutically useful in the treatment of atherosclerosis and other diseases characterized by monocytic infiltrates.

12 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 26. Document ID: US 6727349 B1

L16: Entry 26 of 42

File: USPT

Apr 27, 2004

US-PAT-NO: 6727349

DOCUMENT-IDENTIFIER: US 6727349 B1

TITLE: Recombinant anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: April 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	Newton	MA		
Horvath; Christopher	Taunton	MA		
Newman; Walter	Boston	MA		
Jones; S. Tarran	Radlett			GB

O'Brien; Siobhan H. Finchley GB
O'Keefe; Theresa Waltham MA

US-CL-CURRENT: 530/387.3; 424/130.1, 424/156.1, 530/387.1, 530/388.23

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

62 Claims, 64 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 39

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 27. Document ID: US 6696550 B2

L16: Entry 27 of 42

File: USPT

Feb 24, 2004

US-PAT-NO: 6696550

DOCUMENT-IDENTIFIER: US 6696550 B2

TITLE: Humanized anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	Newton	MA		
Horvath; Christopher	Taunton	MA		
Newman; Walter	Boston	MA		
Jones; S. Tarran	Radlett			GB
O'Brien; Siobhan H.	London			GB
O'Keefe; Theresa	Waltham	MA		

US-CL-CURRENT: 530/388.23; 424/130.1, 424/133.1, 424/156.1, 530/387.1, 530/387.3

ABSTRACT:

The present invention relates to a humanized antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

74 Claims, 64 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 28. Document ID: US 6607879 B1

L16: Entry 28 of 42

File: USPT

Aug 19, 2003

US-PAT-NO: 6607879
DOCUMENT-IDENTIFIER: US 6607879 B1

TITLE: Compositions for the detection of blood cell and immunological response gene expression

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cocks; Benjamin G.	Sunnyvale	CA		
Stuart; Susan G.	Montara	CA		
Seilhamer; Jeffrey J.	Los Altos Hills	CA		

US-CL-CURRENT: 435/6; 435/69.1, 536/23.1, 536/24.1, 536/24.3, 536/24.31, 536/24.32, 536/24.33

ABSTRACT:

The present invention relates to a composition comprising a plurality of polynucleotide probes. The composition can be used as hybridizable array elements in a microarray. The present invention also relates to a method for selecting polynucleotide probes for the composition.

7 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 29. Document ID: US 6538173 B2

L16: Entry 29 of 42

File: USPT

Mar 25, 2003

US-PAT-NO: 6538173
DOCUMENT-IDENTIFIER: US 6538173 B2

TITLE: Compositions and methods for wound healing

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heber-Katz; Ellen	Philadelphia	PA		

US-CL-CURRENT: 800/8; 424/9.1, 435/4, 435/6, 800/3

ABSTRACT:

Mice in which enhance wound healing occurs can be used to identify genes and gene products which are involved in enhanced wound healing in mammals, including humans. Methods and compositions for treating wounds, including central and peripheral nerve wounds, are also provided.

20 Claims, 60 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 30. Document ID: US 6491915 B2

L16: Entry 30 of 42

File: USPT

Dec 10, 2002

US-PAT-NO: 6491915

DOCUMENT-IDENTIFIER: US 6491915 B2

TITLE: Anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 424/130.1; 424/134.1, 424/141.1, 424/143.1, 424/85.1, 530/388.22, 530/388.23, 530/389.1

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

4 Claims, 40 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 31. Document ID: US 6458353 B1

L16: Entry 31 of 42

File: USPT

Oct 1, 2002

US-PAT-NO: 6458353

DOCUMENT-IDENTIFIER: US 6458353 B1

**** See image for Certificate of Correction ****

TITLE: Anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 424/130.1; 424/141.1, 424/143.1, 424/159.1, 435/69.1, 530/388.22, 530/388.23, 530/389.2

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

42 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 32. Document ID: US 6451522 B2

L16: Entry 32 of 42

File: USPT

Sep 17, 2002

US-PAT-NO: 6451522

DOCUMENT-IDENTIFIER: US 6451522 B2

TITLE: Anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 435/5; 424/141.1, 435/345, 435/7.1, 435/7.93, 435/7.94

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

24 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keyword	Drawing
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☐ 33. Document ID: US 6448021 B1

L16: Entry 33 of 42

File: USPT

Sep 10, 2002

US-PAT-NO: 6448021

DOCUMENT-IDENTIFIER: US 6448021 B1

**** See image for Certificate of Correction ****

TITLE: Method of inhibiting cell function associated with CCR2 by anti-CCR2 amino-terminal domain antibodies

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 435/7.1; 424/141.1, 435/345, 435/5, 435/7.93, 435/7.94

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

21 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keyword	Drawing
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☐ 34. Document ID: US 6406865 B2

L16: Entry 34 of 42

File: USPT

Jun 18, 2002

US-PAT-NO: 6406865

DOCUMENT-IDENTIFIER: US 6406865 B2

TITLE: Method of inhibiting interaction of cells bearing CCR2 by Anti-CCR2 amino-terminal domain antibodies

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 435/7.1; 424/141.1, 435/345, 435/5, 435/7.93, 435/7.94

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

18 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 35. Document ID: US 6406694 B1

L16: Entry 35 of 42

File: USPT

Jun 18, 2002

US-PAT-NO: 6406694

DOCUMENT-IDENTIFIER: US 6406694 B1

TITLE: Anti-CCR2 antibodies

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 424/130.1; 424/134.1, 424/141.1, 424/143.1, 424/85.1, 530/388.22, 530/388.23, 530/389.1

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which

binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

4 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 36. Document ID: US 6395497 B1

L16: Entry 36 of 42

File: USPT

May 28, 2002

US-PAT-NO: 6395497

DOCUMENT-IDENTIFIER: US 6395497 B1

TITLE: Method of inhibiting leukocyte trafficking by anti-CCR2 amino-terminal domain antibodies

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 435/7.1; 424/141.1, 435/345, 435/5, 435/7.93, 435/7.94

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

16 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 37. Document ID: US 6352832 B1

L16: Entry 37 of 42

File: USPT

Mar 5, 2002

US-PAT-NO: 6352832

DOCUMENT-IDENTIFIER: US 6352832 B1

TITLE: Anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: March 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		
Horvath; Christopher	Taunton	MA		
Newman; Walter	Boston	MA		

US-CL-CURRENT: 435/7.1; 435/343, 435/343.2, 435/345, 435/5, 436/548

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2 with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

72 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 38. Document ID: US 6312689 B1

L16: Entry 38 of 42

File: USPT

Nov 6, 2001

US-PAT-NO: 6312689

DOCUMENT-IDENTIFIER: US 6312689 B1

**** See image for Certificate of Correction ****

TITLE: Anti-CCR2 antibodies and methods of use therefor

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaRosa; Gregory J.	West Roxbury	MA		

US-CL-CURRENT: 424/130.1; 424/141.1, 424/143.1, 424/159.1, 530/388.22, 530/388.23, 530/389.2

ABSTRACT:

The present invention relates to an antibody or functional fragment thereof which binds to a mammalian (e.g., human) CC-chemokine receptor 2 (CCR2) or a portion of the receptor and blocks binding of a ligand to the receptor. The invention further relates to a method of inhibiting the interaction of a cell bearing mammalian CCR2

with a ligand thereof, and to use of the antibodies and fragments in therapeutic, prophylactic and diagnostic methods.

43 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 39. Document ID: US 6132987 A

L16: Entry 39 of 42

File: USPT

Oct 17, 2000

US-PAT-NO: 6132987
DOCUMENT-IDENTIFIER: US 6132987 A

TITLE: Recombinant mammalian monocyte chemotactic protein-1 (MCP-1) receptors (MCP-1R, CCR-2)

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Charo; Israel F.	Lafayette	CA		
Coughlin; Shaun R.	Tiburon	CA		

US-CL-CURRENT: 435/69.1, 435/252.3, 435/254.11, 435/320.1, 435/325, 435/348, 435/7.1, 435/7.21, 514/2, 530/350, 536/23.5

ABSTRACT:

DNAs encoding receptors for the chemokine, Monocyte Chemotactic Protein-1 (MCP-1), are disclosed. Recombinant reagents and methods for expressing the DNAs are also provided. Exemplary receptor proteins are MCP-1RA and MCP-1RB, which correspond to alternatively spliced transcripts of the human MCP-1R gene. The receptor proteins of the invention are useful in assays to identify agonists and antagonists of MCP-1.

28 Claims, 18 Drawing figures
Exemplary Claim Number: 1,18
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 40. Document ID: US 6077673 A

L16: Entry 40 of 42

File: USPT

Jun 20, 2000

US-PAT-NO: 6077673
DOCUMENT-IDENTIFIER: US 6077673 A

TITLE: Mouse arrays and kits comprising the same

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chenchik; Alex	Palo Alto	CA		
Lukashev; Matvey	Newton	MA		

US-CL-CURRENT: 435/6; 422/68.1, 435/283.1, 435/285.1, 435/286.1, 435/286.2,
435/287.1, 435/287.2, 435/287.7, 435/287.9, 435/289.1, 435/299.1

ABSTRACT:

Mouse arrays and methods for their use are provided. The subject arrays include a plurality of polynucleotide spots, each of which is made up of a polynucleotide probe composition of unique polynucleotides corresponding to a key mouse gene. The subject arrays find use in hybridization assays, particularly in assays for the identification of differential gene expression of key mouse genes of interest.

17 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 41. Document ID: US 5994076 A

L16: Entry 41 of 42

File: USPT

Nov 30, 1999

US-PAT-NO: 5994076

DOCUMENT-IDENTIFIER: US 5994076 A

TITLE: Methods of assaying differential expression

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chenchik; Alex	Palo Alto	CA		
Jokhadze; George	Mountain View	CA		
Bibilashvilli; Robert	Moscow			RU

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2, 536/23.1, 536/24.3, 536/24.31, 536/24.33

ABSTRACT:

Methods and compositions are provided for analyzing differences in the RNA profiles between a plurality of different physiological samples. In the subject methods, a set of a representational number of distinct gene specific primers is used to generate labeled nucleic acids from each of the different physiological samples. The labeled nucleic acids are then compared to each other and differences in the RNA profiles are determined. The subject methods find use in methods of identifying

differential gene expression.

17 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 42. Document ID: US 5707815 A

L16: Entry 42 of 42

File: USPT

Jan 13, 1998

US-PAT-NO: 5707815

DOCUMENT-IDENTIFIER: US 5707815 A

TITLE: Mammalian monocyte chemoattractant protein receptors and assays using them

DATE-ISSUED: January 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Charo; Israel F.	Lafayette	CA		
Coughlin; Shaun R.	Tiburon	CA		

US-CL-CURRENT: 435/7.2; 424/185.1, 435/325, 435/69.1, 435/7.1, 435/7.21, 530/350, 530/395

ABSTRACT:

Novel human chemokine receptors, MCP-1RA and MCP-1RB, and processes for producing them are disclosed. The receptors, which are alternately spliced versions of MCP-1 receptor protein may be used in an assay to identify antagonists of MCP-1 which are therapeutically useful in the treatment of atherosclerosis and other diseases characterized by monocytic infiltrates.

17 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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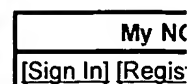
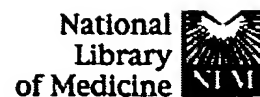
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
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
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
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
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
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


















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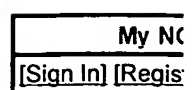
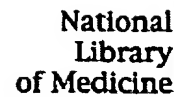
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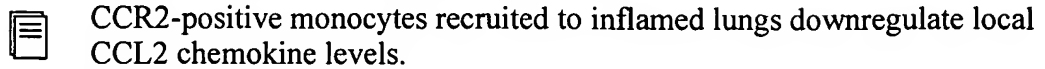
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









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











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







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
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
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


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


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










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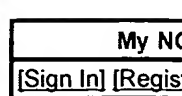
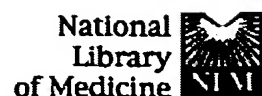
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














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PMID: 7540006 [PubMed - indexed for MEDLINE]

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Signal transduction and ligand specificity of the human monocyte chemoattractant protein-1 receptor in transfected embryonic kidney cells.

J Biol Chem. 1995 Mar 17;270(11):5786-92.

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=> s MCP-1RA
48 FILES SEARCHED...
L1 77 MCP-1RA

=> DUP REM L1
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DRUGMONOG2, FEDRIP, FOREGE, GENBANK, IMSPRODUCT, IMSRESEARCH, KOSMET,
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L2 48 DUP REM L1 (29 DUPLICATES REMOVED)

=> D L2 1-48

L2 ANSWER 1 OF 48 USPATFULL on STN
AN 2005:56141 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., Newton, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2005048052 A1 20050303
AI US 2003-656805 A1 20030905 (10)
RLI Continuation of Ser. No. US 2001-898513, filed on 3 Jul 2001, PENDING
Continuation of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED,
Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 2092
INCL INCLM: 424/144.100
INCLS: 435/007.200
NCL NCLM: 424/144.100
NCLS: 435/007.200
IC [7]
ICM: G01N033-53
ICS: G01N033-567; A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 2 OF 48 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
DUPLICATE 1
AN 2004:265527 BIOSIS
DN PREV200400271471
TI MCP-1 receptor antibodies.
AU Charo, Israel R. [Inventor, Reprint Author]; Coughlin, Shaun R. [Inventor]
CS San Francisco, CA, USA
ASSIGNEE: The Regents of the University of California
PI US 6730301 May 04, 2004
SO Official Gazette of the United States Patent and Trademark Office Patents,
(May 4 2004) Vol. 1282, No. 1. <http://www.uspto.gov/web/menu/patdata.html>.
e-file.
ISSN: 0098-1133 (ISSN print).
DT Patent
LA English
ED Entered STN: 26 May 2004

L2 ANSWER 3 OF 48 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2
 AN 2004:633041 CAPLUS
 DN 141:172873
 TI Humanized anti-CCR2 chemokine receptor antibodies and recombinant
 production thereof, and methods of therapeutic, prophylactic and
 diagnostic uses therefor
 IN O'Keefe, Theresa; Ponath, Paul
 PA USA
 SO U.S. Pat. Appl. Publ., 128 pp., Cont.-in-part of U.S. Pat. Appl. 2004
 33,561.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004151721	A1	20040805	US 2003-733563	20031210
	US 2004033561	A1	20040219	US 2002-272899	20021017
PRAI	US 2001-350166P	P	20011019		
	US 2002-392364P	P	20020626		
	US 2002-272899	A2	20021017		

L2 ANSWER 4 OF 48 IFIPAT COPYRIGHT 2005 IFI on STN DUPLICATE 3
 AN 10716719 IFIPAT;IFIUDB;IFICDB

TI MAMMALIAN MONOCYTE CHEMOATTRACTANT PROTEIN RECEPTORS

IN Charo Israel R; Coughlin Shaun R

PA California, University of Regents (13234)

PI US 2004223968 A1 20041111

AI US 2004-791166 20040301

RLI US 1995-446669 19950525 CONTINUATION 6132987

US 2000-625573 20000725 CONTINUATION 6730301

US 1994-182962 19940113 CONTINUATION-IN-PART ABANDONED

FI US 2004223968 20041111

US 6132987

US 6730301

DT Utility; Patent Application - First Publication

FS CHEMICAL

APPLICATION

CLMN 17

GI 8 Figure(s).

FIG. 1 illustrates the human cDNA and amino acid sequences (SEQ ID NO: 1 and SEQ ID NO: 2, respectively) of the isolated MCP-1 receptor clone, MCP-1 RA.

FIG. 2 illustrates the human cDNA and amino acid sequences (SEQ ID NO: 3 and SEQ ID NO: 4, respectively) of the isolated MCP-1 receptor clone, MCP-1RB.

FIG. 3 illustrates the results of Northern blot analysis of hematopoietic cell lines that were probed for ***MCP*** - ***1RA*** and MCP1RB mRNA.

FIG. 4 illustrates the predicted amino acid sequence of the MCP1 receptor A (***MCP*** - ***1RA***) (SEQ ID NO: 2), aligned with the MIP-1 alpha /RANTES receptor sequence (SEQ ID NO: 5), the orphan receptor sequence HUMSTR (SEQ ID NO:6) and the two IL-8 receptor sequences (SEQ ID NOS: 7 and 8). Identical residues are boxed. The seven putative transmembrane domains are indicated by the horizontal bars. Gaps inserted to optimize the alignments are indicated by dashes. Amino acid numbers for each sequence are located to the right of the sequences.

FIG. 5 graphically depicts the functional expression of MCP-1R protein in Xenopus oocytes as assayed by measuring calcium mobilization in the presence of MCP-1.

FIG. 6 graphically depicts the results of the calcium efflux assay used to confirm gene expression and responsiveness to MCP1 as described in Example 4.

FIG. 7 graphically depicts the binding of ¹²⁵I-MCP-1 to the recombinant MCP-1RB receptor, as described in detail in Example 5.

FIG. 8 graphically depicts the results of the MCP-1RB receptor-mediated calcium mobilization experiments also described in detail in Example 5. 8A depicts intracellular calcium flux as a function of MCP-1 concentration (nM). Calcium transients peaked at 4-8 sec. after addition of MCP-1 and returned to baseline within 90 sec. of activation. 8B

depicts the MCP-1 stimulated calcium mobilization (EC50=3.4 nM) and the lack of stimulated calcium mobilization by other cytokines. 8C illustrates that MCP-1 desensitized the cells to a second addition of MCP-1.

L2 ANSWER 5 OF 48 IFIPAT COPYRIGHT 2005 IFI on STN DUPLICATE 4

AN 10712395 IFIPAT;IFIUDB;IFICDB

TI MCP-1 RECEPTOR ANTIBODIES

IN Charo Israel R; Coughlin Shaun R

PA California, University of Regents (13234)

PI US 2004219644 A1 20041104

AI US 2004-791592 20040301

RLI US 1995-446669 19950525 CONTINUATION 6132987

US 2000-625573 20000725 CONTINUATION 6730301

US 1994-182962 19940113 CONTINUATION-IN-PART ABANDONED

FI US 2004219644 20041104

US 6132987

US 6730301

DT Utility; Patent Application - First Publication

FS CHEMICAL

APPLICATION

CLMN 12

GI 8 Figure(s).

FIG. 1 illustrates the human cDNA and amino acid sequences (SEQ ID NO: 1 and SEQ ID NO: 2, respectively) of the isolated MCP-1 receptor clone, ***MCP*** - ***1RA***.

FIG. 2 illustrates the human cDNA and amino acid sequences (SEQ ID NO: 3 and SEQ ID NO: 4, respectively) of the isolated MCP-1 receptor clone, MCP-1RB.

FIG. 3 illustrates the results of Northern blot analysis of hematopoietic cell lines that were probed for ***MCP*** - ***1RA*** and MCP1RB mRNA.

FIG. 4 illustrates the predicted amino acid sequence of the MCP1 receptor A (***MCP*** - ***1RA***) (SEQ ID NO: 2), aligned with the MIP-1 alpha /RANTES receptor sequence (SEQ ID NO: 5), the orphan receptor sequence HUMSTSR (SEQ ID NO:6) and the two IL-8 receptor sequences (SEQ ID NOS: 7 and 8). Identical residues are boxed. The seven putative transmembrane domains are indicated by the horizontal bars. Gaps inserted to optimize the alignments are indicated by dashes. Amino acid numbers for each sequence are located to the right of the sequences.

FIG. 5 graphically depicts the functional expression of MCP-1R protein in Xenopus oocytes as assayed by measuring calcium mobilization in the presence of MCP-1.

FIG. 6 graphically depicts the results of the calcium efflux assay used to confirm gene expression and responsiveness to MCP1 as described in Example 4.

FIG. 7 graphically depicts the binding of ¹²⁵I-MCP-1 to the recombinant MCP-1RB receptor, as described in detail in Example 5.

FIG. 8 graphically depicts the results of the MCP-1RB receptormediated calcium mobilization experiments also described in detail in Example 5.

8A depicts intracellular calcium flux as a function of MCP-1 concentration (nM). Calcium transients peaked at 4-8 sec. after addition of MCP-1 and returned to baseline within 90 sec. of activation. 8B depicts the MCP-1 stimulated calcium mobilization (EC50=3.4 nM) and the lack of stimulated calcium mobilization by other cytokines. 8C illustrates that MCP-1 desensitized the cells to a second addition of MCP-1.

L2 ANSWER 6 OF 48 USPATFULL on STN

AN 2004:334226 USPATFULL

TI Anti-CCR2 antibodies and methods of use therefor

IN LaRosa, Gregory J., Newton, MA, UNITED STATES

PA Newman, Walter, Boston, MA, UNITED STATES

Millennium Pharmaceuticals, Inc., a Delaware corporation (U.S. corporation)

PI US 2004265303 A1 20041230

AI US 2004-826454 A1 20040416 (10)

RLI Continuation of Ser. No. US 2001-898513, filed on 3 Jul 2001, PENDING
Continuation of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED,
Pat. No. US 6312689

DT Utility

FS APPLICATION

LN.CNT 2077
INCL INCLM: 424/143.100
INCLS: 530/388.220
NCL NCLM: 424/143.100
NCLS: 530/388.220
IC [7]
ICM: A61K039-395
ICS: C07K016-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 48 USPATFULL on STN
AN 2004:172816 USPATFULL
TI Humanized anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., Newton, MA, UNITED STATES
Horvath, Christopher, Taunton, MA, UNITED STATES
Newman, Walter, Boston, MA, UNITED STATES
Jones, S. Tarran, Radlett, UNITED KINGDOM
O'Brien, Siobhan H., London, UNITED KINGDOM
O'Keefe, Theresa, Waltham, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2004132980 A1 20040708
AI US 2004-766610 A1 20040127 (10)
RLI Division of Ser. No. US 2001-840459, filed on 23 Apr 2001, GRANTED, Pat. No. US 6696550 Continuation of Ser. No. WO 2001-US3537, filed on 2 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2000-497625, filed on 3 Feb 2000, GRANTED, Pat. No. US 6727349 Continuation-in-part of Ser. No. US 1999-359193, filed on 22 Jul 1999, GRANTED, Pat. No. US 6352832 Continuation-in-part of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 5361
INCL INCLM: 530/388.150
INCLS: 536/023.530; 435/069.100; 435/328.000; 435/320.100
NCL NCLM: 530/388.150
NCLS: 536/023.530; 435/069.100; 435/328.000; 435/320.100
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C07K016-44; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 8 OF 48 USPATFULL on STN
AN 2004:165363 USPATFULL
TI Humanized anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., Newton, MA, UNITED STATES
Horvath, Christopher, Taunton, MA, UNITED STATES
Newman, Walter, Boston, MA, UNITED STATES
Jones, S. Tarran, Hertfordshire, UNITED KINGDOM
O'Brien, Siobhan H., London, UNITED KINGDOM
O'Keefe, Theresa, Waltham, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2004126851 A1 20040701
AI US 2004-766773 A1 20040127 (10)
RLI Division of Ser. No. US 2000-497625, filed on 3 Feb 2000, GRANTED, Pat. No. US 6727349 Continuation-in-part of Ser. No. US 1999-359193, filed on 22 Jul 1999, GRANTED, Pat. No. US 6352832 Continuation-in-part of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 5057
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/328.000; 530/388.150; 536/023.530
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/328.000; 530/388.150; 536/023.530
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C07K016-44; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 9 OF 48 USPATFULL on STN
AN 2004:103762 USPATFULL
TI Recombinant anti-CCR2 antibodies and methods of use therefor

IN LaRosa, Gregory J., Newton, MA, United States
Horvath, Christopher, Taunton, MA, United States
Newman, Walter, Boston, MA, United States
Jones, S. Tarran, Radlett, UNITED KINGDOM
O'Brien, Siobhan H., Finchley, UNITED KINGDOM
O'Keefe, Theresa, Waltham, MA, United States
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 6727349 B1 20040427
AI US 2000-497625 20000203 (9)
RLI Continuation-in-part of Ser. No. US 1999-359193, filed on 22 Jul 1999,
now patented, Pat. No. US 6352832 Continuation-in-part of Ser. No. US
1998-121781, filed on 23 Jul 1998, now patented, Pat. No. US 6312689
DT Utility
FS GRANTED
LN.CNT 5356
INCL INCLM: 530/387.300
INCLS: 424/130.100; 424/156.100; 530/387.100; 530/388.230
NCL NCLM: 530/387.300
NCLS: 424/130.100; 424/156.100; 530/387.100; 530/388.230
IC [7]
ICM: C07K016-00
EXF 530/387.1; 530/387.3; 530/388.1; 530/388.23; 530/300; 530/350;
424/130.1; 424/133.1; 424/135.1; 424/156.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 10 OF 48 USPATFULL on STN DUPLICATE 5
AN 2003:52384 USPATFULL
TI COMPOSITIONS AND METHODS FOR WOUND HEALING
IN HEBER-KATZ, ELLEN, PHILADELPHIA, PA, UNITED STATES
PI US 2003037345 A1 20030220
US 6538173 B2 20030325
AI US 1999-249155 A1 19990212 (9)
PRAI US 1998-74737P 19980213 (60)
US 1998-97937P 19980826 (60)
US 1998-102051P 19980928 (60)
DT Utility
FS APPLICATION
LN.CNT 3622
INCL INCLM: 800/003.000
INCLS: 435/004.000; 435/006.000; 424/009.100
NCL NCLM: 800/008.000
NCLS: 424/009.100; 435/004.000; 435/006.000; 800/003.000
IC [7]
ICM: A61K049-00
ICS: C12Q001-68; C12Q001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 11 OF 48 USPATFULL on STN
AN 2003:325926 USPATFULL
TI Compositions and methods for wound healing
IN Heber-Katz, Ellen, Philadelphia, PA, UNITED STATES
PA The Wistar Institute, Philadelphia, PA, UNITED STATES, 19104-4268 (U.S.
corporation)
PI US 2003229911 A1 20031211
AI US 2002-314322 A1 20021209 (10)
RLI Division of Ser. No. US 1999-249155, filed on 12 Feb 1999, GRANTED, Pat.
No. US 6538173
PRAI US 1998-102051P 19980928 (60)
US 1998-97937P 19980826 (60)
US 1998-74737P 19980213 (60)
DT Utility
FS APPLICATION
LN.CNT 5324
INCL INCLM: 800/018.000
INCLS: 800/009.000
NCL NCLM: 800/018.000
NCLS: 800/009.000
IC [7]
ICM: A01K067-027
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 12 OF 48 USPATFULL on STN
AN 2003:237867 USPATFULL
TI Human G-protein chemokine receptor (CCR5) HDGMR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003166024 A1 20030904
AI US 2002-135839 A1 20020501 (10)
RLI Continuation of Ser. No. US 2001-779879, filed on 9 Feb 2001, ABANDONED
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 17941
INCL INCLM: 435/007.230
INCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000
NCL NCLM: 435/007.230
NCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000
IC [7]
ICM: G01N033-574
ICS: C07H021-04; C12P021-02; C07K016-30; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 13 OF 48 USPATFULL on STN
AN 2003:237337 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., Newton, MA, UNITED STATES
Newman, Walter, Boston, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, UNITED STATES (U.S. corporation)
PI US 2003165494 A1 20030904
AI US 2001-898513 A1 20010703 (9)
RLI Continuation of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 2077
INCL INCLM: 424/130.100
INCLS: 424/141.100; 424/143.100; 424/159.100; 530/388.220; 530/388.230; 530/389.200
NCL NCLM: 424/130.100
NCLS: 424/141.100; 424/143.100; 424/159.100; 530/388.220; 530/388.230; 530/389.200
IC [7]
ICM: A61K039-395
ICS: A61K039-42; C07K016-00; C12P021-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 14 OF 48 USPATFULL on STN
AN 2003:213656 USPATFULL
TI DNA encoding novel chemokine receptors
IN Au-Young, Janice, Berkeley, CA, UNITED STATES
Bandman, Olga, Mountain View, CA, UNITED STATES
Coleman, Roger, Mountain View, CA, UNITED STATES
Wilde, Craig G., Sunnyvale, CA, UNITED STATES
PI US 2003148294 A1 20030807
AI US 2002-95876 A1 20020311 (10)
RLI Continuation of Ser. No. US 1996-638081, filed on 26 Apr 1996, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 2015
INCL INCLM: 435/006.000
INCLS: 435/069.500; 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.500; 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C12Q001-68

ICS: C07H021-04; C12P021-02; C07K014-715
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 15 OF 48 USPATFULL on STN
AN 2003:207326 USPATFULL
TI Method of identifying inhibitors of C-C chemokine receptor 3
IN Gerard, Craig J., Dover, MA, UNITED STATES
Gerard, Norma P., Dover, MA, UNITED STATES
Mackay, Charles R., Watertown, MA, UNITED STATES
Ponath, Paul D., Boston, MA, UNITED STATES
Post, Theodore W., Newton, MA, UNITED STATES
Qin, Shixin, Lexington, MA, UNITED STATES
PA Children's Medical Center Corporation, Boston, MA (U.S. corporation)
Brigham & Women's Hospital, Boston, MA (U.S. corporation)
Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2003143684 A1 20030731
AI US 2002-283028 A1 20021028 (10)
RLI Continuation of Ser. No. US 1996-720565, filed on 30 Sep 1996, PENDING
Continuation-in-part of Ser. No. WO 1996-US608, filed on 19 Jan 1996,
PENDING Continuation-in-part of Ser. No. US 1995-375199, filed on 19 Jan
1995, PENDING
DT Utility
FS APPLICATION
LN.CNT 4396
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 424/143.100; 530/350.000; 530/388.220;
536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 424/143.100; 530/350.000; 530/388.220;
536/023.500
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07K014-715; C07K016-28; C07H021-04; A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 16 OF 48 USPATFULL on STN
AN 2003:146312 USPATFULL
TI Human G-protein Chemokine Receptor (CCR5) HDGNR10
IN Roschke, Viktor, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003100058 A1 20030529
AI US 2002-67800 A1 20020208 (10)
RLI Continuation-in-part of Ser. No. WO 2001-US4153, filed on 9 Feb 2001,
UNKNOWN Continuation-in-part of Ser. No. US 2001-779880, filed on 9 Feb
2001, PENDING
PRAI US 2001-297257P 20010612 (60)
US 2001-310458P 20010808 (60)
US 2001-328447P 20011012 (60)
US 2001-341725P 20011221 (60)
DT Utility
FS APPLICATION
LN.CNT 18955
INCL INCLM: 435/069.100
INCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530
NCL NCLM: 435/069.100
NCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530
IC [7]
ICM: C12P021-02
ICS: C07H021-04; C12N005-06; C07K016-30
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 17 OF 48 USPATFULL on STN
AN 2003:222015 USPATFULL
TI Compositions for the detection of blood cell and immunological response
gene expression
IN Cocks, Benjamin G., Sunnyvale, CA, United States
Stuart, Susan G., Montara, CA, United States
Seilhamer, Jeffrey J., Los Altos Hills, CA, United States
PA Incyte Corporation, Palo Alto, CA, United States (U.S. corporation)
PI US 6607879 B1 20030819

AI US 1998-23655 19980209 (9)
DT Utility
FS GRANTED
LN.CNT 3719
INCL INCLM: 435/006.000
INCLS: 435/069.100; 536/023.100; 536/024.100; 536/024.300; 536/024.310;
536/024.320; 536/024.330
NCL NCLM: 435/006.000
NCLS: 435/069.100; 536/023.100; 536/024.100; 536/024.300; 536/024.310;
536/024.320; 536/024.330
IC [7]
ICM: C12Q001-68
ICS: C07H021-00
EXF 435/6; 435/69.1; 536/22.1; 536/23.1; 536/24.1; 536/24.3-24.33
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 18 OF 48 USPATFULL on STN
AN 2003:81589 USPATFULL
TI Method of identifying inhibitors of C--C chemokine receptor 3
IN Gerard, Craig J., Dover, MA, United States
Gerard, Norma P., Dover, MA, United States
Mackay, Charles R., Watertown, MA, United States
Ponath, Paul D., Boston, MA, United States
Post, Theodore W., Newton, MA, United States
Qin, Shixin, Lexington, MA, United States
PA Children's Medical Center Corporation, Boston, MA, United States (U.S.
corporation)
Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
Brigham & Women's Hospital, Boston, MA, United States (U.S. corporation)
PI US 6537764 B1 20030325
AI US 1996-720565 19960930 (8)
RLI Continuation-in-part of Ser. No. WO 1996-US608, filed on 19 Jan 1996
Continuation-in-part of Ser. No. US 1995-375199, filed on 19 Jan 1995
DT Utility
FS GRANTED
LN.CNT 4524
INCL INCLM: 435/007.210
INCLS: 435/007.100; 435/007.200
NCL NCLM: 435/007.210
NCLS: 435/007.100; 435/007.200
IC [7]
ICM: G01N033-53
ICS: G01N033-566
EXF 536/23.4; 536/23.5; 435/69.1; 435/69.7; 435/325; 435/320.1; 435/7.2;
435/7.1; 435/7.21; 530/300; 530/350; 436/501; 436/536
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 19 OF 48 USPATFULL on STN DUPLICATE 6
AN 2002:272461 USPATFULL
TI Humanized anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., Newton, MA, UNITED STATES
Horvath, Christopher, Taunton, MA, UNITED STATES
Newman, Walter, Boston, MA, UNITED STATES
Jones, S. Tarran, Radlett, UNITED KINGDOM
O'Brien, Siobhan H., London, UNITED KINGDOM
O'Keefe, Theresa, Waltham, MA, UNITED STATES
PI US 2002150576 A1 20021017
US 6696550 B2 20040224
AI US 2001-840459 A1 20010423 (9)
RLI Continuation of Ser. No. WO 2001-US3537, filed on 2 Feb 2001, UNKNOWN
Continuation-in-part of Ser. No. US 2000-497625, filed on 3 Feb 2000,
PENDING Continuation-in-part of Ser. No. US 1999-359193, filed on 22 Jul
1999, UNKNOWN Continuation-in-part of Ser. No. US 1998-121781, filed on
23 Jul 1998, UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 5446
INCL INCLM: 424/142.100
INCLS: 530/388.150
NCL NCLM: 530/388.230
NCLS: 424/130.100; 424/133.100; 424/156.100; 530/387.100; 530/387.300

IC [7]
ICM: A61K039-395
ICS: C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 20 OF 48 USPATFULL on STN DUPLICATE 7
AN 2002:272455 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, UNITED STATES (U.S. corporation)
PI US 2002150570 A1 20021017
US 6491915 B2 20021210
AI US 2001-895723 A1 20010629 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 1889
INCL INCLM: 424/130.100
INCLS: 424/143.100; 424/134.100; 424/141.100; 424/085.100; 530/388.220; 530/388.230; 530/389.100
NCL NCLM: 424/130.100
NCLS: 424/085.100; 424/134.100; 424/141.100; 424/143.100; 530/388.220; 530/388.230; 530/389.100

IC [7]
ICM: A61K045-00
ICS: A61K039-395; A61K039-40; A61K039-42; C07K016-00; C12P021-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 21 OF 48 USPATFULL on STN DUPLICATE 8
AN 2002:98887 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory L., West Roxbury, MA, UNITED STATES
PA Millennium Pharamaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2002051782 A1 20020502
US 6448021 B2 20020910
AI US 2001-905849 A1 20010713 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 1961
INCL INCLM: 424/130.100
INCLS: 424/145.100; 435/007.100; 536/023.500
NCL NCLM: 435/007.100
NCLS: 424/141.100; 435/005.000; 435/007.930; 435/007.940; 435/345.000

IC [7]
ICM: A61K039-395
ICS: G01N033-53; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 22 OF 48 USPATFULL on STN DUPLICATE 9
AN 2002:98886 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, UNITED STATES
PI US 2002051781 A1 20020502
US 6406694 B2 20020618
AI US 2001-896309 A1 20010629 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat. No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 1890
INCL INCLM: 424/130.100
INCLS: 530/388.230; 435/335.000
NCL NCLM: 424/130.100
NCLS: 424/085.100; 424/134.100; 424/141.100; 424/143.100; 530/388.220; 530/388.230; 530/389.100

IC [7]
ICM: A61K039-395
ICS: C12N005-06; C07K016-24

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 23 OF 48 USPATFULL on STN DUPLICATE 10
AN 2002:66634 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, UNITED STATES
PI US 2002037285 A1 20020328
US 6458353 B2 20021001
AI US 2001-866970 A1 20010529 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, PENDING
DT Utility
FS APPLICATION
LN.CNT 1727
INCL INCLM: 424/130.100
INCLS: 530/388.100; 424/144.100; 424/143.100; 424/135.100
NCL NCLM: 424/130.100
NCLS: 424/141.100; 424/143.100; 424/159.100; 435/069.100; 530/388.220;
530/388.230; 530/389.200
IC [7]
ICM: A61K039-395
ICS: C07K016-28; C12P021-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 24 OF 48 USPATFULL on STN DUPLICATE 11
AN 2002:48245 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2002028436 A1 20020307
US 6395497 B2 20020528
AI US 2001-905835 A1 20010713 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat.
No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 1934
INCL INCLM: 435/005.000
INCLS: 424/130.100; 424/143.100; 435/007.100
NCL NCLM: 435/007.100
NCLS: 424/141.100; 435/005.000; 435/007.930; 435/007.940; 435/345.000
IC [7]
ICM: A61K039-395
ICS: C12Q001-70; G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 25 OF 48 USPATFULL on STN DUPLICATE 12
AN 2002:26855 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, UNITED STATES (U.S.
corporation)
PI US 2002015700 A1 20020207
US 6406865 B2 20020618
AI US 2001-905847 A1 20010713 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat.
No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 1943
INCL INCLM: 424/130.100
INCLS: 424/142.100; 424/145.100; 530/388.200; 530/388.700; 530/388.750;
530/389.600; 530/388.230
NCL NCLM: 435/007.100
NCLS: 424/141.100; 435/005.000; 435/007.930; 435/007.940; 435/345.000
IC [7]
ICM: A61K039-395
ICS: A61K039-40; A61K039-42; C07K016-00; C12P021-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 26 OF 48 USPATFULL on STN DUPLICATE 13
AN 2002:21829 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor

IN LaRosa, Gregory J., West Roxbury, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)
PI US 2002012664 A1 20020131
US 6451522 B2 20020917
AI US 2001-905848 A1 20010713 (9)
RLI Division of Ser. No. US 1998-121781, filed on 23 Jul 1998, GRANTED, Pat.
No. US 6312689
DT Utility
FS APPLICATION
LN.CNT 1994
INCL INCLM: 424/130.100
INCLS: 435/007.900; 435/005.000
NCL NCLM: 435/005.000
NCLS: 424/141.100; 435/007.100; 435/007.930; 435/007.940; 435/345.000
IC [7]
ICM: A61K039-395
ICS: G01N033-53; G01N033-542; C12Q001-70
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 27 OF 48 USPATFULL on STN
AN 2002:280593 USPATFULL
TI Gene expression profiling of antidepressant action in the brain
IN Bonaventure, Pascal, San Diego, CA, UNITED STATES
Quo, Hongqing, San Diego, CA, UNITED STATES
Liu, Xuejun, San Diego, CA, UNITED STATES
Kamme, Fredrik, San Diego, CA, UNITED STATES
Meurers, Bernhard, La Jolla, CA, UNITED STATES
Leysen, Josepha E.M.F., Oud-Turnhout, BELGIUM
Bakker, Margot H.M., Breda, NETHERLANDS
PI US 2002156038 A1 20021024
AI US 2001-971900 A1 20011004 (9)
PRAI US 2000-238374P 20001006 (60)
US 2001-295782P 20010604 (60)
DT Utility
FS APPLICATION
LN.CNT 6849
INCL INCLM: 514/044.000
INCLS: 435/006.000; 435/287.200
NCL NCLM: 514/044.000
NCLS: 435/006.000; 435/287.200
IC [7]
ICM: A61K048-00
ICS: C12Q001-68; C12M001-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 28 OF 48 USPATFULL on STN
AN 2002:119846 USPATFULL
TI Human G-protein Chemokine receptor (CCR5) HDG NR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002061834 A1 20020523
AI US 2001-779880 A1 20010209 (9)
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 18667
INCL INCLM: 514/001.000
INCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100
NCL NCLM: 514/001.000
NCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100
IC [7]
ICM: A61K031-00
ICS: C07H021-04; C07K014-705; C12N005-06; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 29 OF 48 USPATFULL on STN
AN 2002:92268 USPATFULL
TI Human G-protein Chemokine Receptor HDG NR10

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002048786 A1 20020425
AI US 2001-779879 A1 20010209 (9)
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 17969
INCL INCLM: 435/069.100
INCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000
NCL NCLM: 435/069.100
NCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000
IC [7]
ICM: G01N033-53
ICS: G01N033-567; A61K038-00; C07H021-04; C12P021-06; A61K039-395;
C12N005-02; C12N005-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 30 OF 48 USPATFULL on STN
AN 2002:45472 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, United States
Horvath, Christopher, Taunton, MA, United States
Newman, Walter, Boston, MA, United States
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 6352832 B1 20020305
AI US 1999-359193 19990722 (9)
RLI Continuation-in-part of Ser. No. US 1998-121781, filed on 23 Jul 1998
DT Utility
FS GRANTED
LN.CNT 2322
INCL INCLM: 435/007.100
INCLS: 435/005.000; 435/345.000; 435/343.000; 435/343.200; 436/548.000
NCL NCLM: 435/007.100
NCLS: 435/005.000; 435/343.000; 435/343.200; 435/345.000; 436/548.000
IC [7]
ICM: G01N033-53
EXF 435/5; 435/7.1; 435/345; 435/343; 435/343.2; 436/548
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 31 OF 48 USPATFULL on STN
AN 2001:196598 USPATFULL
TI Anti-CCR2 antibodies and methods of use therefor
IN LaRosa, Gregory J., West Roxbury, MA, United States
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 6312689 B1 20011106
AI US 1998-121781 19980723 (9)
DT Utility
FS GRANTED
LN.CNT 2209
INCL INCLM: 424/130.100
INCLS: 424/143.100; 424/159.100; 424/141.100; 530/388.220; 530/388.230;
530/389.200
NCL NCLM: 424/130.100
NCLS: 424/141.100; 424/143.100; 424/159.100; 530/388.220; 530/388.230;
530/389.200
IC [7]
ICM: A61K039-395
ICS: C07K016-00
EXF 424/143.1; 424/130.1; 424/159.1; 424/141.1; 530/388.22; 530/388.23;
530/389.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 32 OF 48 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 14
AN 2001:245318 BIOSIS

DN PREV200100245318
TI Recombinant mammalian monocyte chemotactic protein-1 (MCP-1) receptors
(MCP-1R, CCR-2).
AU Charo, Israel F. [Inventor, Reprint author]; Coughlin, Shaun R. [Inventor]
CS Lafayette, CA, USA
ASSIGNEE: The Regents of the University of California
PI US 6132987 October 17, 2000
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Oct. 17, 2000) Vol. 1239, No. 3. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 23 May 2001
Last Updated on STN: 19 Feb 2002

L2 ANSWER 33 OF 48 USPATFULL on STN
AN 2000:77189 USPATFULL
TI Mouse arrays and kits comprising the same
IN Chenchik, Alex, Palo Alto, CA, United States
Lukashev, Matvey, Newton, MA, United States
PA Clontech Laboratories, Inc., Palo Alto, CA, United States (U.S.
corporation)
PI US 6077673 20000620
AI US 1998-222248 19981228 (9)
RLI Continuation-in-part of Ser. No. US 1998-53375, filed on 31 Mar 1998
DT Utility
FS Granted
LN.CNT 1655
INCL INCLM: 435/006.000
INCLS: 422/068.100; 435/283.100; 435/285.100; 435/286.100; 435/286.200;
435/287.100; 435/287.200; 435/287.700; 435/287.900; 435/289.100;
435/299.100
NCL NCLM: 435/006.000
NCLS: 422/068.100; 435/283.100; 435/285.100; 435/286.100; 435/286.200;
435/287.100; 435/287.200; 435/287.700; 435/287.900; 435/289.100;
435/299.100
IC [7]
ICM: C12Q001-68
EXF 422/50; 422/68.1; 435/283.1; 435/285.1; 435/286.1; 435/286.2; 435/287.1;
435/287.2; 435/287.7; 435/287.9; 435/289.1; 435/299.1; 435/6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 34 OF 48 USPATFULL on STN
AN 1999:155460 USPATFULL
TI Methods of assaying differential expression
IN Chenchik, Alex, Palo Alto, CA, United States
Jokhadze, George, Mountain View, CA, United States
Bibilashvili, Robert, Moscow, Russian Federation
PA Clontech Laboratories, Inc., Palo Alto, CA, United States (U.S.
corporation)
PI US 5994076 19991130
AI US 1997-859998 19970521 (8)
DT Utility
FS Granted
LN.CNT 13450
INCL INCLM: 435/006.000
INCLS: 435/091.100; 435/091.200; 536/023.100; 536/024.300; 536/024.310;
536/024.330
NCL NCLM: 435/006.000
NCLS: 435/091.100; 435/091.200; 536/023.100; 536/024.300; 536/024.310;
536/024.330
IC [6]
ICM: C12Q001-68
ICS: C12P019-34; C07H021-02; C07H021-04
EXF 435/6; 435/91.1; 435/91.2; 536/24.3; 536/24.31; 536/24.33; 536/23.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 35 OF 48 IFIPAT COPYRIGHT 2005 IFI on STN DUPLICATE 15
AN 02930013 IFIPAT;IFIUDB;IFICDB
TI MAMMALIAN MONOCYTE CHEMOATTRACTANT PROTEIN RECEPTORS AND ASSAYS USING
THEM; POLYPEPTIDES PRODUCED BBY EXPRESSION OF HETEROLOGOUS NUCLEIC ACID
IN CELLS AND ENCODED BY DNA AND HYBRIDIZE

IN Charo Israel F; Coughlin Shaun R
PA California, University of Regents (13234)
PI US 5707815 A 19980113 (CITED IN 013 LATER PATENTS)
AI US 1995-450393 19950525
RLI US 1994-182962 19940113 CONTINUATION-IN-PART ABANDONED
US 1995-446669 19950525 DIVISION 6132987
FI US 5707815 19980113
US 6132987
DT Utility; REASSIGNED
FS CHEMICAL
GRANTED
MRN 013418 MFN: 0149
CLMN 17
GI 14 Drawing Sheet(s), 18 Figure(s).

L2 ANSWER 36 OF 48 BIOENG COPYRIGHT 2005 CSA on STN DUPLICATE
AN 2004290830 BIOENG
DN 3866779
TI Selective G protein coupling by C-C chemokine receptors
AU Kuang, Yanan; Wu, Yanping; Jiang, Huiping; Wu, Dianqing
CS Dep. Oncol., Univ. Rochester, Rochester, NY 14642, USA
SO Journal of Biological Chemistry [J. BIOL. CHEM.], vol. 271, no. 8, pp.
3975-3978, 1996
ISSN: 0021-9258
DT Journal
LA English
SL English
OS Chemoreception Abstracts; Immunology Abstracts

L2 ANSWER 37 OF 48 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1994:452470 CAPLUS
DN 121:52470
TI Molecular cloning and functional expression of two monocyte
chemoattractant protein 1 receptors reveals alternative splicing of the
carboxyl-terminal tails
AU Charo, Israel F.; Myers, Scott J.; Herman, Ann; Franci, Christian;
Connolly, Andrew J.; Coughlin, Shaun R.
CS Gladstone Inst. Cardiovasc. Dis., San Francisco, CA, 94141-9100, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (1994), 91(7), 2752-6
CODEN: PNASA6; ISSN: 0027-8424
DT Journal
LA English

L2 ANSWER 38 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAR79165 Protein DGENE
TI DNA encoding monocyte chemo-attractant protein-1 receptor - used partic.
for identifying antagonists and for treating diseases characterised by
monocytic infiltrates
IN Charo I; Coughlin S
PA (REGC) UNIV CALIFORNIA.
PI WO 9519436 A 19950720 84
AI WO 1995-US476 19950111
PRAI US 1994-182962 19940113
DT Patent
LA English
OS 1995-263866 [34]
CR N-PSDB: AAQ96297
DESC Human monocyte chemoattractant protein-1 receptor ***MCP*** -
1RA .

L2 ANSWER 39 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAR79170 Peptide DGENE
TI DNA encoding monocyte chemo-attractant protein-1 receptor - used partic.
for identifying antagonists and for treating diseases characterised by
monocytic infiltrates
IN Charo I; Coughlin S
PA (REGC) UNIV CALIFORNIA.
PI WO 9519436 A 19950720 84
AI WO 1995-US476 19950111
PRAI US 1994-182962 19940113
DT Patent

LA English
OS 1995-263866 [34]
DESC End of third transmembrane domain of human MIP-1alpha/RANTES receptor.

L2 ANSWER 40 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAR79169 Peptide DGENE
TI DNA encoding monocyte chemo-attractant protein-1 receptor - used partic.
for identifying antagonists and for treating diseases characterised by
monocytic infiltrates
IN Charo I; Coughlin S
PA (REGC) UNIV CALIFORNIA.
PI WO 9519436 A 19950720 84
AI WO 1995-US476 19950111
PRAI US 1994-182962 19940113
DT Patent
LA English
OS 1995-263866 [34]
DESC End of third transmembrane domain of human monocyte chemoattractant
protein-1 receptor MCR-1RA.

L2 ANSWER 41 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAR79166 Protein DGENE
TI DNA encoding monocyte chemo-attractant protein-1 receptor - used partic.
for identifying antagonists and for treating diseases characterised by
monocytic infiltrates
IN Charo I; Coughlin S
PA (REGC) UNIV CALIFORNIA.
PI WO 9519436 A 19950720 84
AI WO 1995-US476 19950111
PRAI US 1994-182962 19940113
DT Patent
LA English
OS 1995-263866 [34]
CR N-PSDB: AAQ96298
DESC Human monocyte chemoattractant protein-1 receptor MCP-1RB.

L2 ANSWER 42 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADP65363 DNA DGENE
TI Diagnosing and analyzing autoimmune disease using gene expression
profiles and microarray technology, useful for diagnosing and treating
rheumatoid arthritis, lupus, fibrositis, osteoarthritis, fibromyalgia and
gout.
IN Hirsch R; Thorton S L
PA (CHIL-N) CHILDREN'S HOSPITAL MEDICAL CENT.
PI WO 2003072827 A1 20030904 56
AI WO 2002-US35433 20021031
PRAI US 2001-336220P 20011031
DT Patent
LA English
OS 2003-712740 [67]
CR GENBAN:; U03882
DESC Human monocyte chemoattractant protein 1 receptor (***MCP*** -
1RA) DNA.

L2 ANSWER 43 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAQ96297 cDNA DGENE
TI DNA encoding monocyte chemo-attractant protein-1 receptor - used partic.
for identifying antagonists and for treating diseases characterised by
monocytic infiltrates
IN Charo I; Coughlin S
PA (REGC) UNIV CALIFORNIA.
PI WO 9519436 A1 19950720 84
AI WO 1995-US476 19950111
PRAI US 1994-182962 19940113
DT Patent
LA English
OS 1995-263866 [34]
CR P-PSDB: AAR79165
DESC Human monocyte chemoattractant protein-1 receptor ***MCP*** -
1RA .

L2 ANSWER 44 OF 48 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AN AAQ96298 cDNA DGENE
 TI DNA encoding monocyte chemo-attractant protein-1 receptor - used partic.
 for identifying antagonists and for treating diseases characterised by
 monocytic infiltrates
 IN Charo I; Coughlin S
 PA (REGC) UNIV CALIFORNIA.
 PI WO 9519436 A1 19950720 84
 AI WO 1995-US476 19950111
 PRAI US 1994-182962 19940113
 DT Patent
 LA English
 OS 1995-263866 [34]
 CR P-PSDB: AAR79166
 DESC Human monocyte chemoattractant protein-1 receptor MCP-1RB.

L2 ANSWER 45 OF 48 FEDRIP COPYRIGHT 2005 NTIS on STN
 AN 2005:184462 FEDRIP
 NR CRISP 5R01DK056848-04
 TI CHEMOKINE THERAPEUTIC TARGETS FOR KIDNEY DISEASE
 SF Principal Investigator: KELLEY, VICKI R; VKELLEY@RICS.BWH.HARVARD.EDU,
 HARVARD INSTITUTES OF MEDICINE, 77 AVENUE LOUIS PASTEUR, BOSTON, MA 02115
 CSP BRIGHAM AND WOMEN'S HOSPITAL, BOSTON, MASSACHUSETTS
 CSS Supported By: NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY
 DISEASES
 DB 2002 (/01/01)
 FYR 2004
 DE 2001 (/31/06)
 FU Noncompeting Continuation (Type 5)
 FS National Institutes of Health

L2 ANSWER 46 OF 48 GENBANK.RTM. COPYRIGHT 2005 on STN

LOCUS (LOC): CB552719 GenBank (R)
 GenBank ACC. NO. (GBN): CB552719
 GenBank VERSION (VER): CB552719.1 GI:31301914
 CAS REGISTRY NO. (RN): 526714-96-5
 SEQUENCE LENGTH (SQL): 354
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Expressed sequence tag
 DATE (DATE): 1 Jun 2003
 DEFINITION (DEF): MMSP0021_C06 MMSP Macaca mulatta cDNA, mRNA sequence.
 KEYWORDS (ST): EST
 SOURCE: Macaca mulatta (rhesus monkey)
 ORGANISM (ORGN): Macaca mulatta
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Cercopithecidae; Cercopithecinae; Macaca

NUCLEIC ACID COUNT (NA): 95 a 85 c 90 g 84 t

COMMENT:

Contact: Holzman T
 Katze Lab
 University of Washington
 Box 358070, Seattle, WA 98195-8070, USA
 Tel: 206 732 6156
 Fax: 206 732 6055
 Email: ted@locke.hs.washington.edu
 Similar to GenBank entry HSU03882 U03882 Human monocyte
 chemoattractant protein 1 receptor (***MCP*** - ***1RA***)
 alternatively spliced
 mRNA, complete cds. 6/1994
 Plate: MMSP0021 row: C column: 06.

REFERENCE: 1 (bases 1 to 354)
 AUTHOR (AU): Katze,M.G.; Bumgarner,R.; Korth,M.; Feldman,R.;
 Amjadi,M.; Holzman,T.
 TITLE (TI): Expressed sequence tags from Rhesus macaque spleen
 JOURNAL (SO): Unpublished (2002)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..354	/organism="Macaca mulatta" /db-xref="taxon:9544"

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/clone-lib="MMSP"
/sex="male"
/cell-type="monocytes"
/dev-stage="adult"
/note="Organ: spleen"

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121 tgtaggattg cccactcca aaaaccagtg tgtggaggtc caggagcgag accaggaaag
181 aatgtgaaag aaactacaca aggactcctt gatggtcgtg gaaaaggaaa gtcaaattggc
241 agagcccctg aagccagtct tcaaggcaga gaaggagcct aaagacagaa gtaacagacc
301 tctgctttgg aaatcacaca tctggcctca cggatgtgtg atatcacaat gtga

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L2 ANSWER 47 OF 48 GENBANK.RTM. COPYRIGHT 2005 on STN

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LOCUS (LOC) : HSMCPA02 GenBank (R)
GenBank ACC. NO. (GBN) : U80924
GenBank VERSION (VER) : U80924.1 GI:1773032
CAS REGISTRY NO. (RN) : 391827-34-2
SEQUENCE LENGTH (SQL) : 5471
MOLECULE TYPE (CI) : DNA; linear
DIVISION CODE (CI) : Primates
DATE (DATE) : 24 Jul 1997
DEFINITION (DEF) : Human monocyte chemoattractant protein 1 receptor gene,
two alternatively spliced forms, complete cds.
SEGMENT : 2 of 2
SOURCE : human.
ORGANISM (ORGN) : Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
Hominidae; Homo
NUCLEIC ACID COUNT (NA) : 1540 a 1127 c 1324 g 1480 t
REFERENCE : 1 (bases 1 to 5471)
AUTHOR (AU) : Wong,L.M.; Myers,S.J.; Tsou,C.L.; Gosling,J.; Arai,H.;
Charo,I.F.
TITLE (TI) : Organization and differential expression of the human
monocyte chemoattractant protein 1 receptor gene.
Evidence for the role of the carboxyl-terminal tail in
receptor trafficking
JOURNAL (SO) : J. Biol. Chem., 272 (2), 1038-1045 (1997)
OTHER SOURCE (OS) : CA 126:102953
REFERENCE : 2 (bases 1 to 5471)
AUTHOR (AU) : Myers,S.J.; Charo,I.F.
TITLE (TI) : Direct Submission
JOURNAL (SO) : Submitted (04-DEC-1996) Pharmacology, Emory University,
1510 Clifton Road, Atlanta 30322, USA

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FEATURES (FEAT) :

Feature Key	Location	Qualifier
source	1..5471	/organism="Homo sapiens"
		/db-xref="taxon:9606"
mRNA	join(1555..2546, 3756..5007)	/note="alternatively spliced form with A-form carboxyl tail"
		/product="monocyte chemoattractant protein 1 receptor"
mRNA	1555..3496	/note="alternatively spliced form with B-form carboxyl tail"
		/product="monocyte chemoattractant protein 1 receptor"
CDS	join(1606..2546, 3756..3939)	/note="MCP-1RA receptor; alternatively spliced form including A-form carboxyl tail"
		/codon-start=1
		/product="monocyte chemoattractant protein 1 receptor"
		/protein-id="AAC51637.1"
		/db-xref="GI:1816525"
		/translation="MLSTSRSRFIRNTNESGEEV TTFFDYDYGAPCHKFDVKQIGAQL LPPLYSLVFIFGFVGNMLVLILINCKKLKCLTD"

CDS

1606..2688

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SVITWLAVFASVPGIIFTKCQKEDSVYVCGPYF
PRGWNNFHTIMRNILGLVLP LLIM
VICYSGILKTLLRCRNEKKRHRVRVIFTIMIVY
FLFWTPYNIVILLNTFQEFFGLSN
CESTSQLDQATQVTETLGMTHCCINPIIYAFVGE
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/note="MCP-1RB receptor;
alternatively spliced form
including B-form carboxyl tail"
/codon-start=1
/product="monocyte chemoattractant
protein 1 receptor"
/protein-id="AAC51636.1"
/db-xref="GI:1773034"
/translation="MLSTSRSRFIRNTNESGEEV
TTFFDYDYGAPCHKFDVKQIGAQL
LPPLYSLVFIFGFVGNMLVVLILINCKKLKCLTD
IYLLNLAISDLLFLITLPLWAHSA
ANEWVFGNAMCKLFTGLYHIGYFGGIFFIILLTI
DRYLAIVHAVFALKARTVTFGVVT
SVITWLAVFASVPGIIFTKCQKEDSVYVCGPYF
PRGWNNFHTIMRNILGLVLP LLIM
VICYSGILKTLLRCRNEKKRHRVRVIFTIMIVY
FLFWTPYNIVILLNTFQEFFGLSN
CESTSQLDQATQVTETLGMTHCCINPIIYAFVGE
KFRRLSVFFRKHITKRFCQCPV
FYRETVDGVTSINTPSTGEQEV SAGL"

SEQUENCE (SEQ) :

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121	gttgaatttg	aggccctgc	atgataccca	ctttgctcac	ttcagtgcct	aaaactgagt
181	atggttcata	gtaggtgttc	aataagtgtt	gatacagtga	atacatgcat	ggggagatat
241	gcatcaggca	atgggaaatt	caactctaag	gcttagggga	aagctggagc	ttgaagacag
301	agcttttaga	aacagtagca	tagaaggagc	taggaacct	gagtttagac	aatacaattc
361	aggaagaact	ttgtagcaag	gataaagagc	caaaaaatta	aagagggtgag	agctaagtgt
421	ggtgcctggg	gaatcttaag	gtgtgggcac	ggggaggaga	tgccaccaa	gaacatgaat
481	aaaaagcggg	agcacagccc	ctcccatctg	gaagccaaa	agaattgtaa	atggagggaag
541	ttagcagaag	gatcaaatac	ttgaagaggg	tgggaattgga	ataaaaccag	ggcatttgaa
601	aaattgggtt	gtcactgcaa	tcttaacaag	agaagttttg	gcaggatgat	ggaggcagaa
661	agctgagaga	atcatcagtt	agaacgtttt	tgacttcaga	gaacagaaaa	tgcaattcat
721	aatggcttta	aaacaggggc	ttgtttttct	cccagcaatt	tgagaggcca	aggcgggtgc
781	atcaggagggt	caagagaccg	agaccatcct	gccaacatgg	tgaatcccc	tctctactaa
841	aaatacaaaa	attagcgggc	catggtggtg	cacgcctata	gtcccatcta	ctcaggaggc
901	tgaggcagga	gaatcacttg	aaccagagag	gtggagggtg	cagtgaactg	agatcatggc
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1021	ggcagaagggt	gaatagttca	agggtgggtt	taggactcag	tgataatagg	attctgcctg
1081	gcttctcatg	gttctctagg	tcttccattc	atggcaccat	gccctcacta	ggcatgctgc
1141	cagagcagga	gggcgtccac	cttctcttgt	gccttcttat	cagggaagaa	gactttctca
1201	gaacccccca	gcagactccc	ttttcatatt	atggtccagc	aatgagtcac	aagacctatg
1261	caccacctgc	aaaggagcca	gagaaaacaa	acgcccagcg	cttttagcct	gaaaatgaga
1321	atctggtttg	ctggggaaga	taaagggtgt	cggaaaatgg	ctggtgggta	aatcattgat
1381	gtctgccact	aggaatgaaa	ggcaaatcag	gaactggcac	acatgctttc	aggagatggg
1441	ctgcaaggga	aggggcaaa	actgggaagt	tgcttatgtg	gtgccagact	atttgggaaga
1501	tcatggattg	cggtgtttgt	gttgtgtggt	catcattttg	ttctttgttt	acagaacaga
1561	gaaagtggat	tgaacaagga	cgcatttccc	cagtacatcc	acaacatgct	gtccacatct
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1681	tatgattacg	gtgctccctg	tcataaattt	gacgtgaagc	aaattggggc	ccaactcctg
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1801	atcttaataa	actgcaaaaa	gctgaagtgc	ttgactgaca	tttacctgct	caacctggcc
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1921	tgggtctttg	ggaatgcaat	gtgcaaat	ttcacagggc	tgtatcacat	cggttatttt
1981	ggcggaatct	tcttcatcat	cctcctgaca	atcgatagat	acctggctat	tgtccatgct
2041	gtgtttgctt	taaaagccag	gacggtcacc	tttgggggtg	tgacaagtgt	gatcacctgg
2101	ttgggtggctg	tggtttgctt	tgtcccagga	atcatcttta	ctaaatgcc	gaaagaagat
2161	tctgtttatg	tctgtggccc	ttattttcca	cgaggatgga	ataatttcca	cacaataatg
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2461 gccacgcagg tgacagagac tcttgggatg actcactgct gcatcaatcc catcatctat
2521 gccttcggtg gggagaagtt cagaaggtat ctctcgggtg tcttccgaaa gcacatcacc
2581 aagcgcttct gcaaaacaatg tccagttttc tacagggaga cagtggatgg agtgacttca
2641 acaaacacgc cttccactgg ggagcaggaa gtctcggctg gtttataaaa cgaggagcag
2701 tttgattgtt gtttataaaag ggagataaca atctgtatat aacaacaaac ttcaagggtt
2761 tgttgaacaa tagaaacctg taaagcaggt gcccaggaac ctgagggtg tgtgtactaa
2821 tacagactat gtcacccaat gcataatcaa catgtgctca ggggaataatc cagaaaaact
2881 gtgggtagag actttgactc tccagaaagc tcatctcagc tcctgaaaaa tgcctcatta
2941 ccttgtgcta atcctctttt tctagtcttc ataatttctt cactcaatct ctgattctgt
3001 caatgtcttg aaatcaaggg ccagctggag gtgaagaaga gaatgtgaca ggcacagatg
3061 aatgggagtg agggatagtg gggtcagggc tgagaggaga aggagggaga catgagcatg
3121 gctgagcctg gacaaaagca aagggtgagca aagggtcac gcattcagcc aggagatgat
3181 actggtcctt agccccatct gccacgtgta tttaaccttg aagggttcac caggtcaggg
3241 agagtgttgg aactgcaata acctgggagt tttggtggag tccgatgatt ctcttttgca
3301 taagtgcattg acataatttt gctttattac agtttatcta tggcaccat gcaccttaca
3361 tttgaaatct atgaaatatt atgctccatt gttcagatgc ttcttaggcc acatccccct
3421 gtctaaaaat tcagaaaatt tttgtttata aaagatgcat tatctatgat atgctaatat
3481 atgtatatgc aatatatata ggctcttgct tgatctctcc aggaggtagt gattatgaga
3541 agggggtgga gaatgatgag ttccttcacc aggagcaaag gacggggatc gtgtggaacc
3601 actgcagaac tatttccgaa atcaaaactaa gtggagagag ccaggaaggc tgcacagaa
3661 cccagtaaag cttctgtctt ggatctgagc tggtttggtt tgtgcttgct tttccctgcc
3721 ttgccactcc cctcactctt ctcttttccc cacagccttt ttcacatagc tcttggtgtg
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ORGANISM (ORGN): Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
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Hominidae; Homo
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AUTHOR (AU): Charo,I.F.; Myers,S.J.; Herman,A.; Franci,C.;
Connolly,A.J.; Coughlin,S.R.
TITLE (TI): Molecular cloning and functional expression of two
monocyte chemoattractant protein 1 receptors reveals
alternative splicing of the carboxyl-terminal tails
JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 91 (7), 2752-2756 (1994)
OTHER SOURCE (OS): CA 121:52470
REFERENCE: 2 (bases 1 to 2232)
AUTHOR (AU): Myers,S.J.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (01-DEC-1993) Scott J. Myers, Cardiovascular,
The Gladstone Institutes, 2550 23rd Street, San
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